

**Departmental Examination for Engineering
Officers, December-2015**

SIMPLE RULES

(Without Books)

(Electrical)

Full Marks – 100

Time – Three hours

The figures in the margin indicate full marks
for the questions.

All questions carry equal marks
unless indicated otherwise.

1. Attempt all questions. Options are given against each of the following questions. Select the best / correct option among the options and write in the answer sheet. $2 \times 10 = 20$

(a) Grant of licence to a Government Servant to occupy a house owned, leased or requisitioned by the Government, for use by him as residence is called :

- (i) Approval
- (ii) Entitlement
- (iii) Allotment

[Turn over

(b) A newly appointed Engineer Officer reports for duty but it takes three days to complete taking over charge of post involving verification and inspection of store etc. He will be considered on duty :

(i) On the day he completes taking over charge

(ii) On the day he reports for duty.

(c) When Government supplies an officer with a residence appropriate to the status of the occupant, he shall pay licence fee for the residence, such licence fee being the standard licence fee or 10 percent of his monthly emoluments :

(i) Whichever is less

(ii) Whichever is more

(iii) Average of the two.

(d) A post carrying a definite rate of pay sanctioned without time limit is called :

(i) Cadre post

(ii) Permanent post

(iii) Temporary post.

(e) A monthly grant made to a Government servant who is not in receipt of pay or leave salary is called :

- (i) Special pay
- (ii) Substantive pay
- (iii) Substantive grant.

(f) A Government servant who does not join his post within his joining time is entitled to :

- (i) Leave salary
- (ii) No pay
- (iii) Half pay.

(g) Wilful absence from duty after the expiry of joining time may be treated as :

- (i) Extension of leave
- (ii) Misbehaviour
- (iii) Termination of service.

(h) A Government servant under suspension shall be entitled to a subsistent allowance at an amount equal to leave salary on :

- (i) Full pay
- (ii) Half average pay
- (iii) One-third pay.

(i) No amount shall be paid to a Government servant under suspension unless the Government servant :

(i) Is reinstated in service

(ii) Furnishes a certificate that he is not engaged in any employment, business, profession or vocation

(iii) Applies for admissible leave.

(j) A Government servant under suspension has applied for leave :

(i) Leave may be granted

(ii) Leave may not be granted

(iii) Half-pay leave may be granted.

2. Attempt any 4 (*four*) questions. Figures in the bracket indicate break-up of marks. $5 \times 4 = 20$

(a) What are the different kinds of travelling allowances which may be drawn in different circumstances by Government servants? Under which condition a Government servant is not entitled to travelling allowance for journeys (other than journeys by rail or steamer)? Under what condition daily allowance may be drawn during a halt on tour on a holiday occurring during a tour?

(3+1+1=5)

3/TR/SR(EL)/DEC/15 (4)

(b) What are the general conditions of admissibility of travelling allowance on transfer? What is temporary transfer? What will be the composite transfer grant for transfer within the same station with change of residence as a result of transfer?

(3+1+1=5)

(c) Which Public Works Officer can estimate the present value of a residence including its subsidiary buildings, and of the site on which it stands? For the purpose of proviso (vi) to clause-II of "Fundamental Rule 45-A", which items shall be regarded as fittings (Electric as well as sanitary and water supply)?

(1+4=5)

(d) When standard licence fee of a residence has been calculated, what additions and alterations may be made without the licence fee of the residence being increased? Under what circumstance additional licence fee for addition/alterations will be recovered from an officer?

(4+1=5)

(e) If a residence is supplied with services other than water supply, sanitary or electric installations and fittings, such as furniture, tennis court or garden maintained at the cost of Government, how will the additional licence fee determined?

(5)

3/TR/SR(EL)/ DEC/15 (5)

[Turn over

3. Attempt any *two* questions : $5 \times 2 = 10$

(a) What the meaning of the term "Factory" as defined in Section 2(m) of the Factories Act, 1948 (as amended in 1976) ?

(b) Give details of the notice required to be sent by the Occupier of a Factory to the Chief Inspector of Factories before beginning to use any premises as Factory ?

(c) What are the general duties of the Occupier of a Factory ?

4. Attempt any *five* questions. Options are given against each of the following questions. Select the best / correct option among the options and write in the answer sheet. $2 \times 5 = 10$

(a) Purchase of stores valued at Rs. 20.00 lakhs requires the recommendation of :

(i) Lower Purchase Committee

(ii) Higher Purchase Committee

(iii) Departmental Purchase Committee

3/TR/SR(EL)/DEC/15 (6)

37

(b) A tender notice has been published inviting bids for purchasing four different items valued at Rs. 3.00 lakhs each with provision of supply by separate agencies. The purchase will require the recommendation of:

- (i) Lower Purchase Committee
- (ii) Higher Purchase Committee
- (iii) Departmental Purchase Committee

(c) A single bid has been received in response to widely published tender for purchase of store valued at Rs. 20.00 lakhs. The purchase requires recommendation of:

- (i) Supply Advisory Board
- (ii) Departmental Purchase Committee
- (iii) Higher Purchase Committee

(d) Financial power to give Expenditure Sanction for works costing Rs. 100.00 lakhs delegated to:

- (i) Chief Engineer
- (ii) Addl. Chief Engineer
- (iii) Superintending Engineer

(e) Power to give Technical Sanction to detailed estimate costing Rs. 15.00 lakhs delegated to :

- (i) Assistant Engineer
- (ii) Executive Engineer
- (iii) Superintending Engineer

(f) Power to undertake Deposit Works valued at Rs. 4.00 lakhs delegated to :

- (i) Assistant Engineer
- (ii) Executive Engineer
- (iii) Superintending Engineer

(g) Power to award works valued at Rs. 6.00 lakhs by negotiation with lowest tenderer delegated to :

- (i) Assistant Engineer
- (ii) Executive Engineer
- (iii) Superintending Engineer

(h) Power to Write off T & P and articles valued at Rs. 20,000.00 of which part value has been recovered has been delegated to :

- (i) Addl. Chief Engineer
- (ii) Superintending Engineer
- (iii) Executive Engineer

(i) Power to fix Standard Rent delegated to :

(i) Secretary to the Department

(ii) Chief Engineer

(iii) Superintending Engineer

(j) Power of Executive Engineer for local purchase of store not borne on DGS & D Rate Contract is :

(i) Rs. 30,000.00

(ii) Rs. 10,000.00

(iii) Rs. 1,000.00

5. Attempt any *two* questions :

5×2=10

(a) What are the duties of a Government servant as laid down under the General guide lines of CCS (CCA) Rules, 1964 ?

(b) Briefly describe responsibilities of a Junior Engineer in revenue collection.

(c) Briefly describe responsibilities of an Assistant Engineer in maintenance.

6. Attempt all questions with reference to The Electricity Act, 2003.

Options are given against each of the following questions. Select the best / correct option among the options and write in the answer sheet.

2×5=10

- (a) The Central Electricity Authority may function as Central Electricity Regulatory Commission : True / False
- (b) Any generating company establish, operate and maintain a generating station without obtaining a licence under this act if it complies with the technical standards specified by the Central Electricity Authority : True / False
- (c) No person shall transmit electricity, distribute electricity or undertake trading in electricity unless he is authorised to do so by a licence granted to him by the appropriate Commission : True / False
- (d) No approval is necessary for a licence to undertake any transaction to acquire, by purchase or take over or otherwise the utility of any other licence : True / False
- (e) The National Load Despatch Centre shall not engage in the business of trading in electricity : True / False.

7. Attempt all questions as given under provisions of the Indian Electricity Rules, 1956.

Options are given against each of the following questions. Select the best/correct option among the options and write in the answer sheet.

2×5=10

3/TR/SR(EL)/DEC/15

(10)

150

3/

(a) The point of commencement of supply of energy to a consumer shall be deemed to be the point at the :

(i) Incoming terminal of the cut-outs installed by the consumer

(ii) Distribution Transformer terminal

(iii) Generator terminal

(b) Except with the written consent of the consumer or with the previous sanction of the State Government a supplier of electricity shall not permit the voltage at point of commencement of supply vary from the declared voltage, in case of low and medium voltage, by more than :

(i) 6% (ii) 9% (iii) 12.5%

(c) Except with the written consent of the consumer or with the previous sanction of the State Government a supplier of electricity shall not permit the frequency of an alternating current supply to vary from the declared frequency by more than :

(i) 10% (ii) 5% (iii) 3%

(D) The minimum safety working clearance to be maintained for the bare conductor or live parts of any apparatus in out-door substations excluding overhead lines of HV and EHV

installations for highest system voltage of 12 KV is :

- (i) 2m (ii) 2.6m
- (iii) 3m ("m" denotes length in metre)

(e) Clearance above ground of the lowest conductor of an overhead line, of low and medium voltage, erected across a street shall at any part thereof be at a height of less than :

- (i) 5m (ii) 5.8m
- (iii) 6m ("m" denotes length in metre)

8. Attempt any *two* questions. Figures in the bracket indicate break-up of marks : 5×2=10

(a) How an applicant for new electricity service connection can get an application form? What are the documents required to be submitted with the application for electricity service connection? In which cases Registration cum processing fee is necessary?

(1+3+1=5)

(b) Briefly describe the steps in processing the applications for release of new electricity service connection. How the application register / database are maintained?

(4+1=5)

(c) What are the details given in the Demand Note for new electricity service connection? What is the time limit given for payment of security deposit and other charges?

(4+1=5)